

Regional Trauma Performance Improvement







Regional Performance Improvement

- Objectives:
 - Improve patient outcomes
 - Feedback to providers, facilities, EMS, RTACs and the STCC
 - Identify performance improvement projects
 - Identify education opportunities
 - Maintain confidentiality
 - NOT PUNITIVE!!!!

Trauma Registry

- Effective use of statewide trauma registry
 - Moving the web based platform
- All trauma designated and non-designated facilities should be participating
- Utilize statewide inclusion criteria for the trauma patient inclusion in the registry
- Create a trauma data dictionary & provide user education
 - GOOD DATA IN = GOOD DATA OUT

Performance Improvement Indicators

- All deaths from the TRF and CTH trauma centers
 - Could include ATH and RTC
- Patients with an ISS > 15, and:
 - Trauma Code NOT activated when appropriate
 - Transfer times > 2 hours
 - GCS <8 and NOT intubated</p>
 - Hemo/pneumo diagnosed and chest tube NOT placed
 - Transfers directly out of state

Identify Cases to Review

- State Trauma Registry used to pull cases
 - ISS ≥ 15 and meets one or more of the PI indicators
 - Cases reviewed for inclusion by State trauma program
 - Abstract form sent to coordinator to compete

SE REGIONAL PI - 2010.3

North Dakota Century Code 23-01 Chapter 23.01.2

A trauma quality improvement program to monitor the performance of the trauma system. The proceedings and records of the program are not subject to subpoena or discovery or introduction into evidence in any cival action arising out of any matter that is the subject of consideration by the program.

*** If your facility had any trauma deaths in 2010 quarter 3 please be sure to bring those to the meeting for review

Hospital Name	ISS	Trauma Code activated when met criteria (Y/N)	Thorax identified and chest tube	GCS <8 and definative airway established (Y/N)	tertiary trauma	within 20 minutes	EMS scene time < 20 minutes (Y/N)
	17	Υ	NA S	NA	N	Υ	NA
	17	NA	NA	NA	N	Υ	Υ
	33	NA	NA	NA	N	у	NA
	21	Υ	NA	Υ	Υ	Υ	N (30 MIN)
	18	Υ	N	NA	N	Υ	N (54 MIN)
	29	N	NA	NA	Υ	N	NA
	29	Υ	NA	Υ	Υ	Υ	Υ
	17	Y	NA	NA	Υ	Υ	Υ
	26	NA	NA	NA	Υ	Υ	Υ



WESTAC

Regional Trauma Performance Improvement Abstract Form

lospital Name/EMS Agency:						
atient Gender:	Patient Age:	Patient Age:				
Nechanism of Injury (Please be specif	ic):					
	Name and State and	tio say other				
Node of transport to (your) facility:		AirPOVOther				
Vas a Trauma Code activated?	YesNONA					
Who activated the trauma code?	EMSHospital Staff					
oid the patient meet trauma code act	ivation criteria?YesNo					
eam Leader Response Time:						
re-hospital Vital Signs:	Initial ED Vital Signs:	Additional Vital Signs:				
emp:	Temp:	Temp:				
P:	BP:	BP:				
ulse:	Pulse:	Pulse:				
esp:	Besp:	Resp:				
ics:	GCS:	GCS:				
)2Sat:	O2Sat:	O2Sat:				
omments on Vital Signs:						
RAUMA ASSESSMENT:						
irway:						



Breathing:
Circulation:
Disability:
•
Expose:
Injuries Identified:
chest tube, radiographs, CT scans, etc.) Please include diagnostic results.
Patient Death in ED
Did this patient die at your facility: Yes NO
If this patient died at your facility please answer the next two questions. If this patient did not die a your facility go to Discharge Disposition questions below.
your facility go to discharge disposition questions below.
Was the coroner notified?No
If no, please explain:
Was an autopsy done?No

Discharged Home From ED						
If this patient was discharged home from the ED, please answer the next two questions. If this patient was not discharged home, go to "Discharged to Another Facility", or "Admitted Jo Your Facility".						
Was this patient discharged home from the ED?YesNo						
Mode of transport:ALS GroundBLS GroundAirPOVOther						
Discharge to Another Facility						
Was this patient transferred to another facility? Yes No						
If this patient was transferred to another facility, please answer the next three questions.						
Name of facility patient was transferred to:						
Mode of Transport:ALS GroundBLS GroundAirPOVQther						
Length of stay in your ED:						
Admitted To Your Facility						
Please list surgical or other procedures done while patient was admitted to your facility.						
Landah of saving and siller						
Length of stay at your facility:						
Discharge Disposition:						
Mode of transport:ALS GroundBLS GroundAirPOVOther						
Performance Improvement						
Was this patient reviewed through your internal performance improvement process?YesNo						
If this did go through your PI process what actions were taken for indicators that fell out/or that were identified?						

RTAC Meetings or

- Quarterly
- Use tele-medicine / in person meeting / WebEx
- Participants
 - EMS and facility representatives
 - eEmergency
 - Flight service transporting
 - State EMS & trauma programs

Regional Performance Improvement

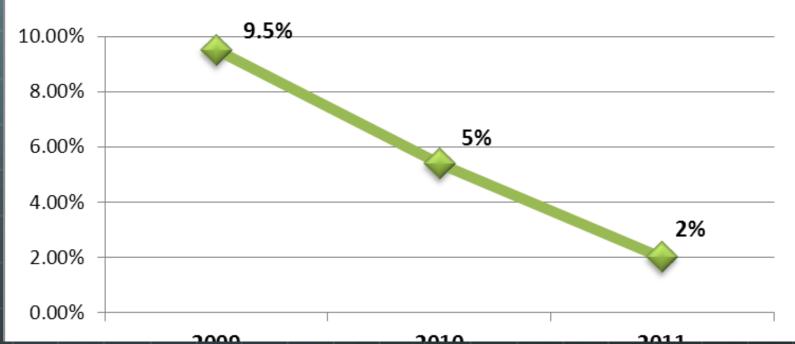
- Short summary of abstracts provided before meeting "confidential stamped"
- Closed after short general meeting
- Confidentiality forms signed
- Quick "orientation" to PI meeting
- RTC Trauma Medical Director takes the lead
 - Educational component
- Trauma coordinator presents cases at the regional meeting
- Regional Trauma Centers aware of cases, present follow-up/outcomes/PI

Regional Performance Improvement

- Feedback from group
- Collect abstract summary
- Minutes are created
- Recommendations and/or education is provided at the meeting along with
- Written letter (when necessary) to the individual facility &/or EMS agency
- Regional Chair provides regional updates/issues to the State Trauma Care Committee

Regional Trauma Pl Does it Work?

Total % of Trauma Codes Not Activated When Criteria Met

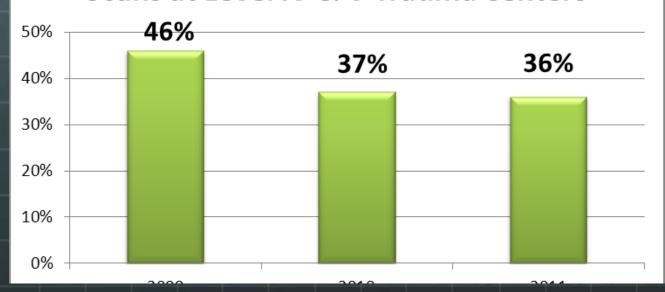


Regional Trauma Pl Does it Work?

- ED time > 2 hours for inter-facility transfers
 - Looked into reasons for the delay in transfer
 - Identified many CTs being done prior to transfer
 - © CT scan prior to transfer was added to PI indicators

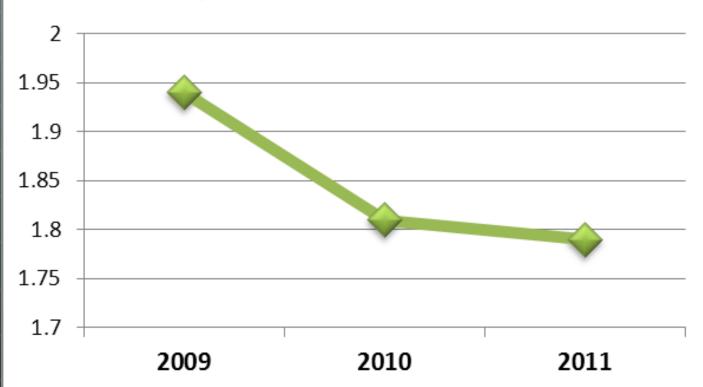
A letter from the
State Trauma
Committee Chair
was sent out to all
hospitals
regarding CT
scans delaying
transfers.

Total Percent of patient receiving CT Scans at Level IV & V Trauma Centers



Regional Trauma Pl Does it Work?

Average ED LOS Until Transfer



Process of Developing Regional Performance Improvement

